

July 24, 1989

TO: Wayne Hedberg, Permit Lead  
FROM: Holland Shepherd, Reclamation Soils Specialist *HS*  
RE: Permit Review, Grantville Quarry, Chemstar, Inc. M/045/028, Toole County, Utah

R613-004-105 - Map and Drawings

The operator has not located areas to stockpile soils materials on this site.

R613-004-106 - Operation Plan

1. The operator must provide the Division with a soil analysis of overburden or waste material. The analysis would be used to determine the quality of such material for revegetation.

2. The operator indicates that no salvageable soil exists on areas to be mined. Is this also true for areas where wastes are to be stored or pond development is to occur? If so, the operator needs to provide the Division with a description of the area and why soil salvage is not possible.

The operator is required to salvage soil material where it exists, before any type of mining disturbance occurs. Barrow areas should be considered in the operation's plan, if sufficient soil material cannot be found on areas to be disturbed.

3. If area soils are determined salvageable, the operator must provide a plan which describes how they will be collected and redeposited. Consideration should be made to redistributing a minimum of 6 inches of topsoil material, at final reclamation. Relative to the 6 inch limit, a mass balance should be performed to ensure that enough topsoil material exists for areas to be reclaimed at final reclamation.

R613-004-107 - Operation Practices

1. What erosion control practices will be applied on site?

2. What hazardous or deleterious materials will be located at this site. Include chemicals to be used for processing, fuel storage facilities, etc? N/A under item #13 of this section is insufficient.

3. Does the operator have any plans for concurrent reclamation? If not, such plans need to be incorporated into this plan.

R613-004-109 - Impact Assment

2. What impacts will this operation have on slope stability and local erosion?

R613-004-110 Reclamation Plan

1. The operaor must provide the Division with information concerning intended final grade, contour and configuration of pits, waste dumps, and overburden disposal areas. Unless a variance for slopes and revegetation are requested and approved, the Division will require that these areas be reclaimed to the 70% revegetation standard.

2. The operator needs to substantiate a postmining landuse and gear the mining and reclamation plan toward that final goal. None, under item #2 of this section, will not be accepted by the Division.

3. The operator must characterize the materials that will compose the Process Wastes Dump and how this area will be reclaimed in regard to potential deleterious nature of this material.

4. The operator will need to provide this Division and the Bureau of Water Pollution Control with detailed construction plans for the waste water facility. The plan should include information on the quality of water entering the facility, and how this facility will be reclaimed in regard to the deleterious nature of the material that it will contain.

R613-004-111 - Reclamation Practices

1. The operator will be required to revegetate the areas disturbed. No seed mixture or revegetation plan has been provided. The Division will require that all areas to be disturbed be revegetated unless variances for specific areas are requested.

R613-004-112 - Variances

The operator and Division Staff should Plan a meeting, as soon as possible, to discuss the obvious inadequacies of this plan and the need for variances.

cc: Scott Johnson